IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):

Turner, Jr. et al.

Prior Group Art Unit:

1652

Application No.:

Unknown

Prior Application Examiner:

Parent Application Serial Number 10/116,326

M. Monshipouri

Filed: Concurrently Herewith

Attorney Docket No.: LEX-0484-USA

Title: Novel Human Kinases and Polynucleotides

Encoding the Same

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Assistant Commissioner for Patents Alexandria, VA 22313-1450

Sir:

The present paper constitutes Applicants' compliance with their duty of disclosure under 37 C.F.R. § 1.56. Please make all prior art of record in parent application Serial No. 10/116,326, filed April 4, 2002, of record in the present case, including that cited by the Office and Applicants. As a courtesy, copies of the Form PTO-1449s from the prior application are included herewith as Exhibit A.

Respectfully submitted,

word W. Show

March 17, 2004

Date

David W. Hibler

Reg. No. 41,071

Agent for Applicants

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LEX-0332-USA

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Attorney Docket Number

				U.S. PATENT DOCUMEN	rs	
Examiner Initials*	Cite No.1	U.S. Patent D	Kind Code ²	Name of Patentee or Applicant of Cited Document	Date of Publication of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant
		Nulliber	(if known)		MM-DD-YYYY	Figures Appear
	AA	4,215,051		Schroeder et al	07/29/80	·
	AB	4,376,110		David et al	03/08/83	
	AC	4,594,595		Struckman	06/10/86	- ·
	AD	4,631,211		Houghten	12/23/86	
	ΑE	4,689,405		Frank et al	08/25/87	
	AF	4,713,326		Dattagupta et al	12/15/87	
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	АН	4,946,778		Ladner et al	08/07/90	
	Ai	5,252,743		Barrett et al	10/12/93	
	AJ	5,272,057		Smulson et al	12/21/93	
	AK	5,424,186		Fodor et al	06/13/95	
	AL	5,445,934		Fodor et al	08/29/95	
	AM	5,459,127		Felgner et al	10/17/95	
	AN	5,556,752		Lockhart et al	09/17/96	
	AO	5,700,637		Southern	12/23/97	
	AP	5,723,323		Kauffman et al	03/03/98	
	AQ	5,744,305		Fodor et al	04/28/98	
	AR	5,756,289		Hoekstra	05/26/98	
·	AS	5,817,479		Au-Young et al	10/06/98	
	AT_	5,830,721		Stemmer et al	11/03/98	
	AU	5,837,458		Minshull et al	11/17/98	
	AV	5,869,336		Meyer et al.	02/09/99	
	AW	5,877,397		Lonberg et al	03/02/99	
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	AZ	6,110,490		Thierry	08/29/00	
	ВА	6,114,598		Kucherlapati et al	09/05/00	· · · · ·
	BB	6,117,679		Stemmer	09/12/00	
	вс	6,150,584		Kucherlapati et al.	11/21/00	
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Examiner	Date	
Signature	Considered	

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	INE	ORMATION [NIC!	CLOSUDE	Application Number	10/116.326	
			_		Filing Date	Apr 4, 2002	
	STA	ATEMENT BY	AF	PPLICANT	First Named Inventor	Turner	
					Group Art Unit	1645	
		(use as many sheets	as nec	essary)	Examiner Name	Not Yet Assigned	
	Sheet	2	of	3	Attorney Docket Number	LEX-0332-USA	

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²					
	BD	Bird et al, 1988, "Single-Chain Antigen-Binding Proteins", Science 242:423-426.						
	BE	Bitter et al, 1987, "Expression and Secretion Vectors for Yeast", Methods in Enzymology 153:516-544.						
	BF	Colbere-Garapin et al, 1981, "A New Dominant Hybrid Selective Marker for Higher Eukaryotic Cells", J. Mol. Biol. 150:1-14.						
	BG	Cote et al, 1983, "Generation of human monoclonal antibodies reactive with cellular antigens", PNAS 80:2026-2030.						
	вн	Gautier et al, 1987, "α-DNA IV:α-anomeric and β-anomeric tetrathymidylates covalently linked to intercalating oxazolopyridocarbazole. Synthesis, physiochemical properties and poly (rA) binding", Nucleic Acids Research 15(16):6625-6641.						
	ВІ	Gordon, 1989, "Transgenic Animals", International Review of Cytology, 115:171-229.						
	BJ	Greenspan et al, 1993, "Idiotypes: structure and immunogenicity", FASEB Journal 7:437-444.						
		Gu et al, 1994, "Deletion of a DNA Polymerase β Gene Segment in T Cells Using Cell Type-Specific Gene Targeting", Science 265:103-106.						
	BL	Huse et al, 1989, "Generation of a Large Combinatorial Library of the Immunoglobulin Repertoire in Phage Lambda", Science 246:1275-1281.						
	ВМ	Huston et al, 1988, "Protein engineering of antibody binding sites: Recovery of specific activity in an anti-digoxin single-chain Fv analogue produced in Escherichia coli", Proc. Natl. Acad. Sci. USA 85:5879-5883.						
	BN	Inoue et al, 1987, "Sequence-dependent hydrolysis of RNA using modified oligonucleotide splints and R Nase H", FEBS Letters 215(2):327-330.						
	во	Inoue et al, 1987, "Synthesis and hybridization studies on two complementary nona(2'-O-methyl)ribonucleotides", Nuclei Acids Research 15(15):6131-6149.						
	ВР	Inouye & Inouye, 1985, "Up-promoter mutations in the lpp gene of Escherichia coli", Nucleic Acids Research 13(9):3101-3110.						
	BQ	Janknecht et al, 1991, "Rapid and efficient purification of native histidine-tagged protein expressed by recombinant vaccinia virus", PNAS 88:8972-8976.						
	BR	Kohler & Milstein, 1975, "Continuous cultures of fused cells secreting antibody of predefined specificity", Nature 256:495-497.						
	BS	Lakso et al, 1992, "Targeted oncogene activation by site-specific recombination in transgenic mice", Proc. Natl. Acad. Sci. USA 89:6232-6236.						
	ВТ	Lavitrano et al, 1989, "Sperm Cells as Vectors for Introducing Foreign DNA into Eggs: Genetic Transformation of Mice", Cell 57:717-723.						
	BU	Lo, 1983, "Transformation by Iontophoretic Microinjection of DNA: Multiple Integrations without Tandem Insertions", Mol. Cell. Biology 3(10):1803-1814.						
	в۷	Logan et al, 1984, "Adenovirus tripartite leader sequence enhances translation of mRNAs late after infection", Proc. Natl. Acad. Sci. USA 81:3655-3659.						
	вw	Lowy et al, 1980, "Isolation of Transforming DNA: Cloning the Hamster aprt Gene", Cell 22:817-823.						
	вх	Morrison et al, 1984, "Chimeric human antibody molecules: Mouse antigen-binding domains with human constant region domains", Proc. Natl. Acad. Sci. USA 81:6851-6855.						
	ВУ	Mulligan & Berg, 1981, "Selection for animal cells that express the Escherichia coli gene coding for xanthine-guanine phosphoribosyltransferase", Proc. Natl. Acad. Sci. USA 78(4):2072-2076.						
	BZ	Neuberger et al, 1984, "Recombinant antibodies possessing novel effector functions", Nature 312:604-608.						
	CA	Nisonoff, 1991, "Idiotypes: Concepts and Applications", J. of Immunology 147:2429-2438.						
	СВ	O'Hare et al, 1981, "Transformation of mouse fibroblasts to methotrexate resistance by a recombinant plasmid expressing a prokaryotic dihydrofolate reductase", Proc. Natl. Acad. Sci. USA 78(3):1527-1531.						

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Subs	stitute for form 1449B/PTO				Complete if Known
INIE	Substitute for form 1449B/PTO NFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)	CLOCUPE	Application Number	10/116,326	
				Filing Date	Apr 4, 2002
STA	ALEMENI BA	AF	PLICANI	First Named Inventor	Turner
				Group Art Unit	1645
	(use as many sheets	as nece	essary)	Examiner Name	Not Yet Assigned
Sheet	3	of	3	Attorney Docket Number	LEX-0332-USA

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	CC	Ruther et al, 1983, "Easy identification of cDNA clones", EMBO Journal 2(10):1791-1794.	
	CD	Santerre et al, 1984, "Expression of prokaryotic genes for hygromycin B and G418 resistance as dominant-selection markers in mouse L cells", Gene 30:147-156.	
	CE	Sarin et al, 1988, "Inhibition of acquired immunodeficiency syndrome virus by oligodeoxynucleoside methylphosphonates", Proc. Natl. Acad. Sci. USA 85:7448-7451.	
	CF	Smith et al, 1983, "Molecular Engineering of the Autographa californica Nuclear Polyhedrosis Virus Genome: Deletion Mutations within the Polyhedrin Gene", J. Virol. 46(2):584-593.	
	CG	Stein et al, 1988, "Physiochemical properties of phosphorothioate oligodeoxynucleotides", Nucleic Acids Research 16(8):3209-3221.	
	СН	Szybalska & Szybalski, 1962, "Genetics of Human Cell Lines, IV. DNA-Mediated Heritable Transformation of a Biochemical Trait", Proc. Natl. Acad. Sci. USA 48:2026-2034.	
	CI	Takeda et al, 1985, "Construction of chimaeric processed immunoglobulin genes containing mouse variable and human constant region sequences", Nature 314:452-454.	
	CJ	Thompson et al, 1989, "Germ Line Transmission and Expression of a Corrected HPRT Gene Produced by Gene Targetin in Embryonic Stem Cells", Cell 56:313-321.	9
	СК	Van Der Putten et al, 1985, "Efficient insertion of genes into the mouse germ line via retroviral vectors", Proc. Natl. Acad. Sci. USA 82:6148-6152.	
	CL	Van Heeke et al, 1989, "Expression of Human Asparagine Synthetase in Escherichia coli", J. Biol. Chemistry 264(10):5503-5509.	
	СМ	Ward et al, 1989, "Binding activities of a repertoire of single immunoglobulin variable domains secreted from Escherichia coli", Nature 341:544-546.	
	CN	Wigler et al, 1977, "Transfer of Purified Herpes Virus Thymidine Kinase Gene to Cultured Mouse Cells", Cell 11:223-232.	
	со	Wigler et al, 1980, "Transformation of mammalian cells with an amplifiable dominant-acting gene", Proc. Natl. Acad. Sci. USA 77(6):3567-3570.	

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SUPPLEMENTAL
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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	Complete if Known
Application Number	10/116,326
Filing Date	April 4, 2002
First Named Inventor	Turner
Group Art Unit	1645
Examiner Name	Not Yet Assigned
Attorney Docket Number	LEX-0332-USA

				U.S. PATENT DOCUMENT	TS		
Examiner	Cite No.1	Cito	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	СР	NAGASE et al. Prediction of the coding sequences of unidentified Human Genes. XX. The complete sequences of 100 new cDNA Clones from Brain which code for Large Proteins in vitro. DNA Res. April 2001, Vol. 8, pages 85-95, entire document	
	ca	Database SPTREMBL, No. O60843, STANCHI et al., 'Putative Serine/threonine kinase (fragment)', NCBI_TaxID=9606, August 1998, see the attached alignment to SEQ ID NO:2 and 4.	1
	CR	International Search Report	
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					FORE	IGN PATENT DOCUMENT	S		
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